

YOIT/ ★ P64 47872 K/20 ★ J58059-803
Moulded inorganic prods. mfr. - by forming plasticised compsn.
from water, hydraulic cement and clay and extruding into
required shape

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Plasticised compsn. is prepd. by adding water into a mixt. of
hydraulic cement (30-90 pts. wt.) and layer clay mineral (70-10 pts.
wt.) in a sufficient amt. required for plasticising the mixt. or
dewatering an aq. slurry of the mixt. for plasticising the mixt.
and extruded to form a shaped prod. The extrusion of plasticised
cement/clay mixt. facilitates the operation through an extruder
to extrude a prod. having high extrusion resistance under
relatively lower pressure.

Pref. hydraulic cement is white Portland cement, alumina
cement, ordinary Portland cement, rapid hardening or moderate
heat cement, jet cement, thermosetting cement, blast furnace
cement, fly ash cement, silica cement, expansive cement and
opt. blended with an expansive agent (e.g. ettringite-forming
compsn. or $\text{Ca}(\text{OH})_2$ -forming agent) for compensating the
contraction of cement. The clay or clay material is typically
kaolin or plastic clay. The mixt. is opt. blended with silica stone
for forming tober-morite or xonotolite by steam ageing or
reinforcing material (e.g. asbestos, rock wool, glass fibre, Nylon
fibre, carbon filament or steel filament) or other additives (e.g.
limestone, blast furnace slag, Ca silicate, $\text{Al}(\text{OH})_3$, Al_2O_3 or
 ZrO_2). (3pp)

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